

# SCS 74090,74091 SERIES 1-9W E16 -SINGLE OUTPUT FLYBACK TRANSFORMERS



## FEATURES

Primary / Secondary Insulation  $\geq 4000V$   
 Creepage distances  
 Primary/secondary  $\geq 6mm$

Bulk packaging is standard  
 Custom design available

AC-DC converters  
 DC-DC converters  
 Switch Power supplies  
 SMPS: Flyback, Forward and Push-pull  
 SMPS: Half Bridge and Full Bridge



Additional information:

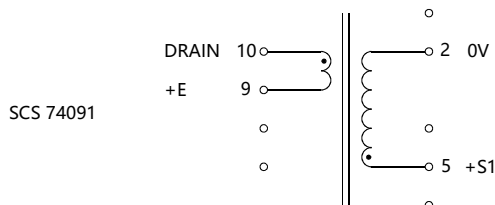
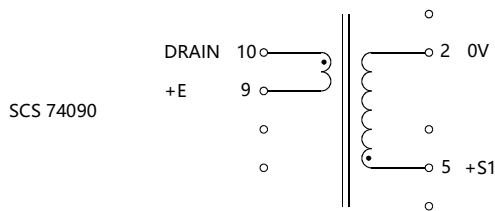
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We can offer that even custom-made transformers will be covered by approvals from UL, CSA, KEMA, etc., but we will be happy to assist you in implementing them. New approvals may be required.

## TECHNICAL INFORMATION

- Ambient temperature  $< 85^{\circ}C$
- Construction confirms to CEI950, CEI335, CEI61558 for reinforced insulation
- Exclusively uses UL94-V0 listed materials



## ELECTRICAL CHARACTERISTICS AT 25°C

74090

Control IC Manufacturer	Control IC P/N	Input voltage	Power	Frequency
Power Integrations	TNY254	85-265Vrms	1.5W	44kHz

74091

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## SIZE E16 - SINGLE OUTPUT : 5 or 12V - FLYBACK TRANSFORMER

Part Number	Output Power max	Windings					
		Pins	Turns	Voltage	Current max	Inductance ( $\pm 10\%$ )	
SCS 74090	1.5W	Pri	10-9	228	50-95(VOR)	0.28 Apeak	6000 $\mu$ H
		S1	5-2	16	3.3-6Vdc	0.4 Adc	
SCS 74091	1.5W	Pri	10-9	228	65-130(VOR)	0.28 Apeak	6000 $\mu$ H
		S1	5-2	28	7.5-15Vdc	0.2 Adc	

Note: PIN 3 Removed, PCB Drilling Diameter = 1.1mm

Note: Regulation with auxiliary winding

## PHYSICAL CHARACTERISTICS(unit:mm)

